

LEED Credits

TYPAR Geosynthetics

Minimum Project Requirements: Compliance with Environmental Laws

- TYPAR BodPave®85 Grass & Gravel applications assist with NPDES Phase II compliance, an environmental law addressing the reduction of non-point source pollution from stormwater runoff.

SS Credit 5.1: Site Development – Protect or Restore Habitat (1 Point): Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.

- Case 1: The use of TYPAR BodPave®85 & TYPAR GeoCell GS™ with permeable surface cover can extend the limited site disturbance to 25 ft. beyond the permeable surface, gaining additional work space during construction.
- Case 2: Install TYPAR BodPave®85, TYPAR GeoCell GS, TYPAR TurfProtecta™, and TYPAR GrassProtecta™ in place of impermeable surfaces like asphalt & concrete, and over-seed with native vegetation to contribute to the percent of area restored to Native Habitat.

SS Credit 5.2: Site Development – Maximize Open Space (1 Point): Provide a high ratio of open space to development footprint to promote biodiversity.

- Use TYPAR BodPave®85 and TYPAR GrassProtecta to reinforce grass parking areas that serve as functional parking areas and increase the ratio of open space to development footprint.
- Install TYPAR GrassProtecta and TYPAR TurfProtecta in pedestrian and bike paths instead of impervious surfaces to increase the amount of open space.
- Stabilize steep slopes using TYPAR GeoCell GS planted with native vegetation.

SS Credit 6.1: Stormwater Design – Quantity Control (1 Point): Limit disruption of natural water hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff, and eliminating contaminants.

- Reduce Impermeable surface cover with TYPAR GeoCell GS and TYPAR BodPave®85 Grass/Gravel Applications in place of existing/proposed impervious surfaces and mitigate stormwater runoff.

SS Credit 6.2: Stormwater Design – Quality Control (1 Point): Limit disruption and pollution of natural water flows by managing stormwater runoff.

- Use TYPAR GeoCell GS and TYPAR BodPave®85 Grass/Gravel Applications to reduce impervious cover, promote infiltration, capture and treat stormwater on-site.
- With a permeable substrate, TYPAR BodPave®85 & TYPAR GeoCell GS can capture & convey water to a below ground storage chamber or an acceptable surface structure.
- Stabilize swales using TYPAR GrassProtecta & TYPAR BodPave®85 Grass Applications to capture, convey, and treat stormwater runoff.
- Use TYPAR GrassProtecta to stabilize paths, slopes, and open space to mitigate compaction, increase infiltration, and reduce runoff velocity and erosion.

SS Credit 7.1 & 7.2: Heat Island Effect (1 Point): Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.

- Fill TYPAR BodPave®85 or TYPAR GeoCell GS using gravel material with an SRI2 of at least 29.
- Use TYPAR BodPave®85, TYPAR TurfProtecta, TYPAR GrassProtecta and TYPAR GeoCell GS as vegetated surface alternatives to asphalt & concrete to reduce thermal absorption.



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Fiberweb Minneapolis
1611 County Road B West #102
Roseville, Minnesota 55113 | USA
Tel: +1 651 330 2920

e.mail: geosales@fiberweb.com | www.typargeosynthetics.com

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WE Credit 1.1 & 1.2: Water Efficient Landscaping (2-4 Points): Limit or eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for landscape irrigation.

- TYPAR BodPave®85 has specially designed water holding cells that reduce the amount of water needed to irrigate a grassed surface application in comparison to other open-cell paving systems.
- Using TYPAR BodPave®85 and TYPAR GeoCell GS as a permeable surface can capture and redirect stormwater to above and below ground holding structures for irrigation use or infiltrate stormwater directly into the substrate for plant availability.

EA Credit 1: Optimize Energy Performance (Multiple Points): Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

- Use TYPAR BodPave®85, TYPAR GrassProtecta, TYPAR TurfProtecta and TYPAR GeoCell GS on south side of building to reduce solar reflection and heat gain from adjacent roads, parking lots, or pedestrian areas.
- TYPAR BodPave®85 Grass surfaces can be used in greenroof applications to cool building through evapotranspiration.

MR Credit 4.1 & 4.2: Recycled Content(1-2 Points): Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

- TYPAR BodPave®85 is composed of 20% post-consumer and 80% post-industrial recycled, UV Stabilized High Density Polyethylene (HDPE).
- TYPAR GrassProtecta is composed of 20% recycled UV stabilized Polyethylene.

MR Credit 5.1 & 5.2: Regional Materials (1-2 Points): Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

- TYPAR BodPave®85 is manufactured in Athens, Tennessee (37303)



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